



STATE OF IOWA

CHESTER J. CULVER, GOVERNOR
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DEPARTMENT OF NATURAL RESOURCES
RICHARD A. LEOPOLD, DIRECTOR

- INFORMATION ITEM – JUNE 2008 -

Restoring Altered Stream Channels

The Iowa DNR will not require a Flood Plain Permit to repair channels which have scoured out on the flood plain as a result of the 2008 floods. Channels which have completely changed course due to this year's flooding or for which a secondary channel has scoured out on the flood plain may be restored to the 2008 pre-flood conditions. The scoured-out channels may be filled up to the level of the adjacent natural ground with well-compacted soil. Flood-deposited sand may be used to fill in the scoured areas. However, since the sands are non-cohesive, the sand should be used in the bottom of the scour hole and then covered with compacted soil.

Protect areas of exposed fill along the original stream channel with water-tolerant vegetation or a layer of riprap. Acceptable riprap material includes: quarry rock, field stone and broken concrete. If broken concrete is used, all exposed reinforcing steel must be removed or cut off flush with the face of the concrete prior to placement. Riprap should be placed on a slope no steeper than 1.5 H (horizontal) to 1 V (vertical) in a layer no more than three feet thick. Limit the riprap placement to the immediate vicinity of the scour repair. Additional riprap placement may require approval or authorization from the DNR.

DNR Contacts:

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